



## Gulf of Mexico Harmful Algal Bloom Bulletin

1 October 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: September 25, 2007

### Conditions Report

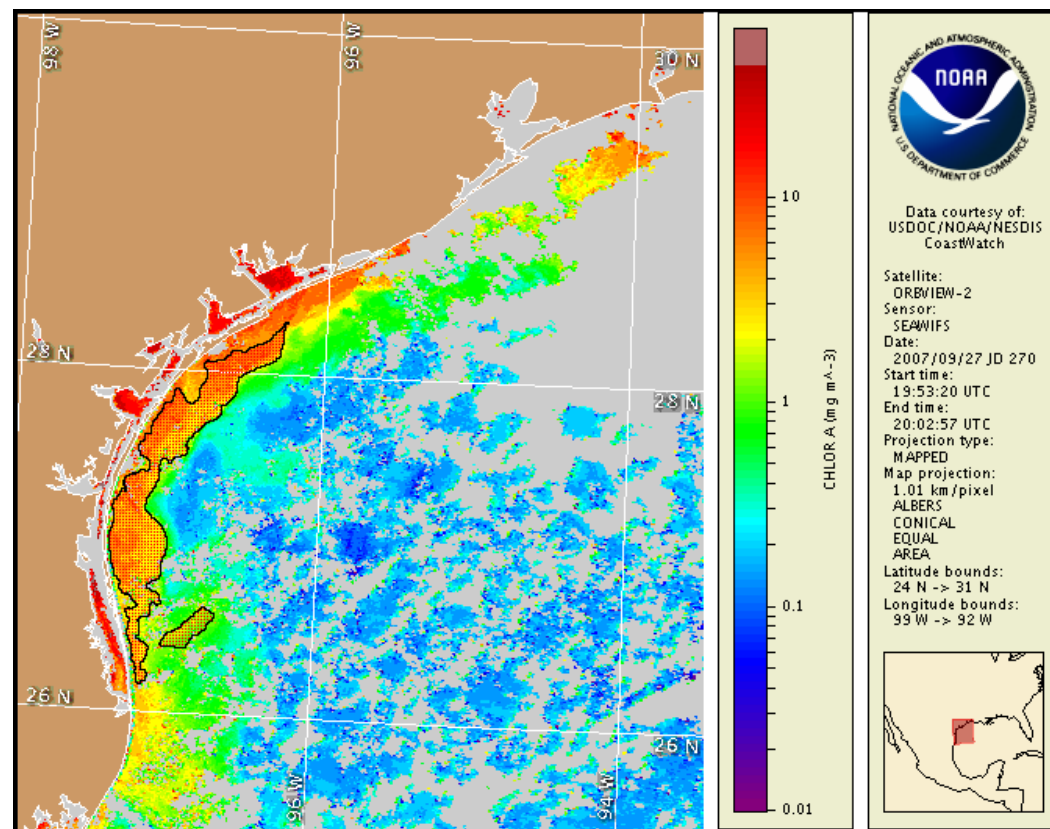
There have been no recent reports of red tide. No impacts are expected along Texas coast.

### Analysis

Cloudy after Sep 27. Coastal anomaly continues from Matagorda Bay south to Padre Island. Previous bulletins were cloudy south of Baffin Bay, precluding analysis. The highest apparent chlorophyll is from Matagorda Bay to Corpus Christi Bay. Up to 10  $\mu\text{g/L}$ . While feature continues along Padre Island, some indication of a change about 26d35N.

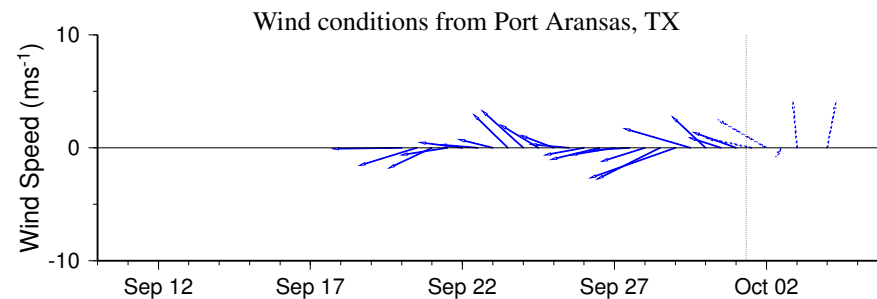
A different bloom (of lower concentration), appears oriented coast perpendicular at about 26d25'N at 18-20 km offshore. Chlorophyll about 2  $\mu\text{g/L}$ .

--Stumpf



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from September 24 to 27 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide:

[http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

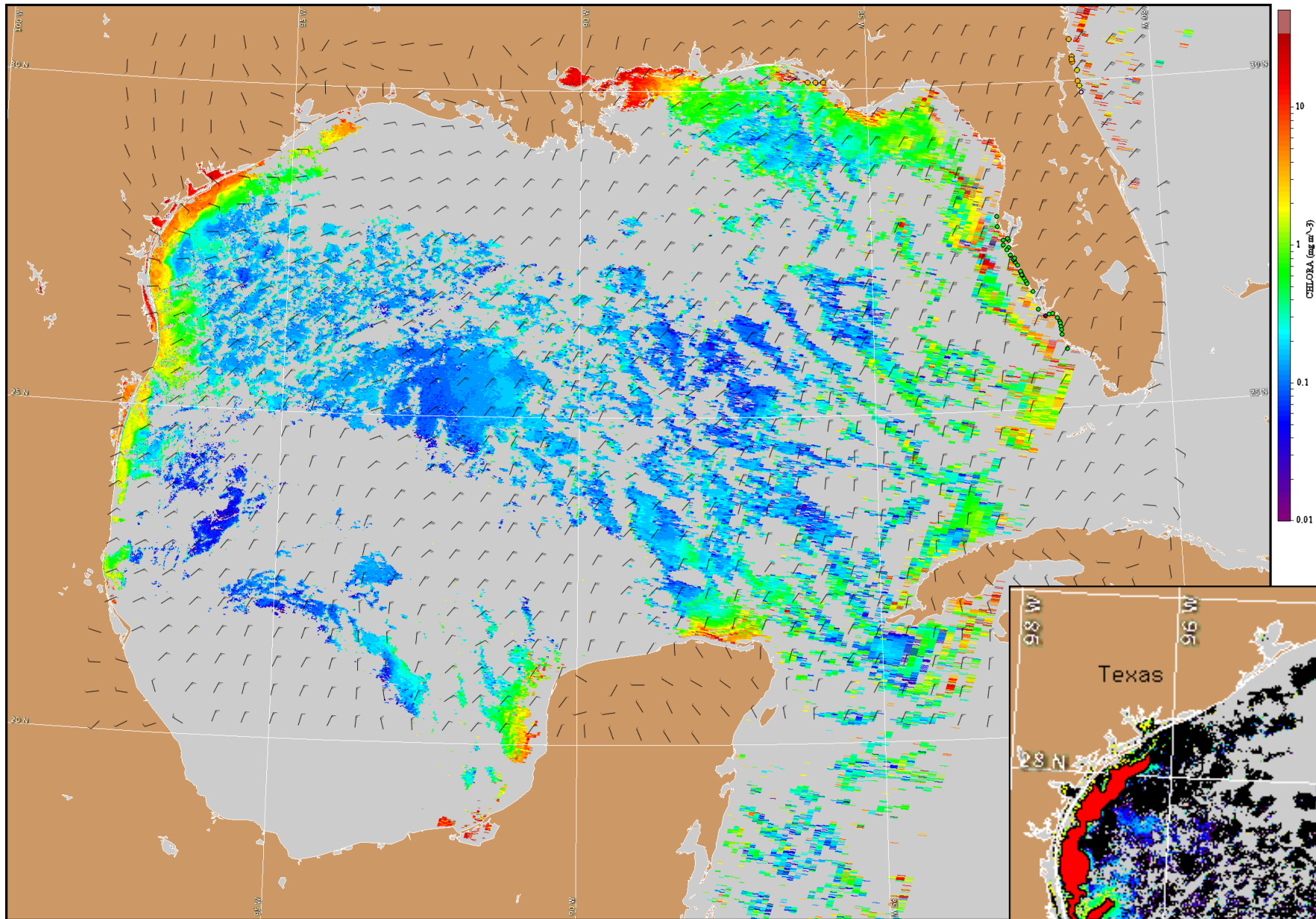


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

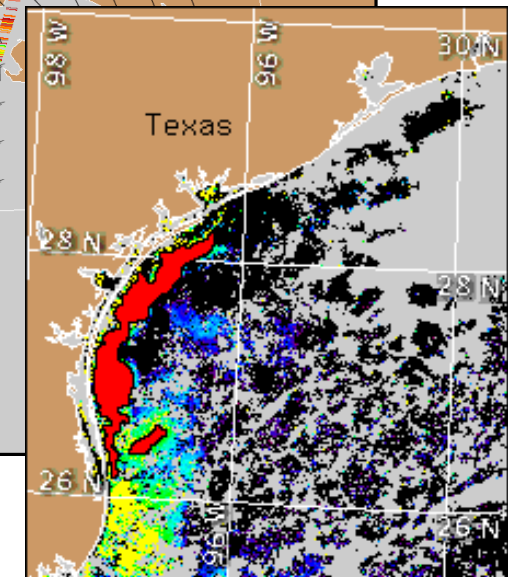
Monday, east winds 10 knots, 3 to 5 foot seas SE winds to 10 knots Tuesday and Wed.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for October 2, 2007 06Z with Cell concentration sampling data from September 24 to 27 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)



Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).